THIS PERIODICAL MIGHT BE COPYRIGHTED, IN WHICH CASE THE CONTENTS REMAIN THE PROPERTY OF THE COPYRIGHT OWNER. THE MICROFORM EDITION IS REPRODUCED BY AGREEMENT WITH THE PUBLISHER. DUPLICATION OR RESALE WITHOUT PERMISSION IS PROHIBITED.

UNIVERSITY MICROFILMS INTERNATIONAL
ANN ARBOR, MICHIGAN

SCIENCE NEWS INDEX

Vol. 147, Nos. 1-25, January-June 1995, pp. 1-400 ■ Science Service, Washington, D.C. 20036

A

Aber, John....90
Abraham, Ralph H....63
Accretion disks....230
Acetylsalicylic acid....69
Acoustic cavitation....266
Acoustic thermometry....350
Adams, Fred C....251
Adams, Michael R....294
Addiction....303, 374
Adelberger, Eric G....263
Adhesives....215
Adolescents....303, 333
Adoption....333
Adovasio, James M....276
Aerodynamics....168
Agent Orange....28
Aggression....4, 232
Aging....74, 301, 391
Agriculture....12, 298
Ague, Jay J....56
Aguilar, Nancy M....294
Ahlbrandt, Thomas....171
AIDS....21, 100, 104, 135, 172, 196, 375
AIDS, blood....175, 278
AIDS, metabolism....254
AIDS, molecular biology....103
AIDS, smoking....214
AIDS drugs....100, 103
AIDS policy....86
AIDS predictors....278
AIDS transmission....196
AIDS vaccines....172, 262, 373
Air pollution....90, 284
Aircraft....168
Akbarian, Scharam....247
Akiskal, Hagop S....118
Alavanja, Michael C.R....26
Alexander, James C....21
Allergies....55, 244, 254
Alley, Richard B....7, 118, 342
Altruism....165
Alzheimer's disease....74, 84, 181, 212, 358
Amber....308
Ambrosone, Christine B....280
American Physical Society....308
Amino acids....279
Amyotrophic lateral sclerosis...52, 279
Anabaseine....212
Andelman, David....54
Anderson, Carl D....269
Andreasen, Nancy C....378
Andrews, William C....375
Androgens....229
Andromeda galaxy....392
Angell, Charles A....199
Angiogenesis....262
Animals....46
Antarctica....271, 277
Anthony, David W....121
Antibiotics....166, 374
Antibodies....132, 376
Antidepressants....118, 148
Antigens....132
Antioxidants....248, 271, 276, 301
Antipsychotics....181
Antonini, James M....271
Ants....381
Apes....316
Apolipoproteins....181
Appelbaum, Paul S....8
Arak, Anthony....61
Archaeology....376
Archaeon....150
Arendt, Paul....269
Aro, Antti....127
Arrhythmias....149
Arthritis, rheumatoid....247
Artificial bone....180
Artificial insemination....333
Artificial tissues....191
Aryl hydrocarbon....277
Asbestos....40, 359
Asfaw, Berhane....237
Ashtekar, Abhay....311
Ashwell, Geoffrey J....343
Ashwin, Peter....22
Askins, Robert A....199
Asteroids....191, 207, 287
Astham....55
Astro 2 Observatory....213, 372
Astrophysics....234
Ataxia-telangiectasia....389
Atchley, Anthony....267
Atema, Jelle....78
Atkins, Daniel E....344
Atomic force microscope....207, 223, 287
Attractiveness....165
Au, Leslie....284
Auger, Jacques....127
Australian aborigines....4
Australopithecus....215, 237, 253, 317
Autism....381
Autoimmune diseases....247, 249
Automation....319
Avalanches....198
Axons....279

B

Baboons....28
Bacteria....136, 150, 308, 310, 346, 367
Baden, Andrew R....149
Bahcall, John N....56
Bailey, J. Michael....42
Baird, Donna Day....315
Baker, James E....299
Balsley, James F....100
Baltimore, David....174
Barbeau, David....202
Bardeen, John....269
Barenco, Adriano....325
Barratt-Brown, Liz....183
Barrett, J. Carl....293
Barrett, Spencer C.H....127
Barron, Leah Katherine....55
Barry, James P....143
Barvainis, Richard....36
Baseball....297
Basil, Jennifer A....79
Basketry....276
Basri, Gibor....389
Batteries....191
Baulieu, Etienne-Emile....391
Baumrind, Diana....42
Baylin, Stephen B....246
Beauchamp, Gary K....253
Beck, Klaus D....52
Beck, Melinda A....276
Behringer, Richard R....197
Behringer, Robert P....159, 372
Beliefs....381
Ben-Jacob, Eshel....137
Benayahu, Yehuda....212
Bender, Judith....138
Benner, Steven A....133
Bennett, Charles H....325, 388
Benz, Willy....107, 252
Bereavement....22
Berg, Leonard....84
Berger, Bonnie A....186
Berger, Lee R....253
Bergsten, David A....237
Berner, Robert A....294
Berrier, Bobby L....169
Berthiaume, André....31
Beryllium....70
Beta amyloid....358
Beta-carotene....248
Bethe, Hans A....106, 269
Biaglow, John E....249
Bicycles....191
Big Bang....133, 230, 372
Binge eating....374
Binnig, Gerd....269
Bioaccumulation....237
Biology, developmental....197
Biomaterials....180
Biomedicine....152
Biomineralization....180
Biosensors....77, 78, 117
Biotechnology....254
Bipolar disorder....118, 378
Birds....103, 198
Birge, Robert R....235
Birnbaum, Linda....277
Biron, Christine A....375
Birth defects....28, 53
Birth weight, low....119
Bisphenol-A....341
Biss, Daniel Kalman....55
Bjorklund, David....222
Black holes....36, 230
Blake, Donald R....150
Blandford, Roger....230
Blindness....116, 122, 303
Block, Jack....239
Bloemen, Hans....70
Blood....36, 175, 376
Blood substitutes....93
Blood tests....92, 376
Blood transfusions....92
Blood vessels....262
Bloom, Barry R....292
Bloomfield, Peter....214
Blumenschine, Robert J....317
Boas, Franz Edward....55, 166
Bode, Liv....132
Body weight....108
Bojkov, Rumen D....277
Bond, Gerard C....118
Bone implants....180
Bone marrow....335
Bone mass....180
Bones....180
Bongaarts, Paul P....55
Borderline personality disorder....118
Bordetella....214
Borna disease virus....132
Borne, Kirk D....42
Boron....70
Borucki, Monica K....308
Bose, Satyendra Nath....340
Bose-Einstein statistics....340
Bottke, William F....191
Bourke, Roger D....313
Boury-Esnault, Nicole....69
Bowen, Brian....263
Boyd, Gerald G....41
Boyd, Jeff....213
Bradfield, Chris....277
Brady, Scott....279
Brain....23, 202, 232, 262
Brain, blood flow....38, 157
Brain, imaging....38, 101, 181, 202, 295, 357
Brain, language....70, 101, 202, 295
Brain anatomy....38, 88, 247, 295, 340, 357
Brain development....247
Brain lateralization....88, 101, 333
Branch, D. Ware....6
Brassard, Gilles....30
Brattain, Walter H....269
BRCA1....119, 213, 281
Breastfeeding....231
Breasts....119
Brédas, J.L....343
Bremner, J. Douglas....340
Brenner, Michael B....292
Breuer, Christopher K....228
Brewster, Marcus E....231
Brinton, Louise....356
Brody, Lawrence C....119
Bromley, D. Allan....183
Bromwich, David H....7
Bronze Age....120
Brooks, Alison S....260
Brower, John H....298
Brown, Arthur....297
Brown, Chris W....111
Brown dwarf....389
Brown, Linda Morris....39
Brumer, Paul....329
Brustman, Lois....310
Bryson, Yvonne J....196
Bubbles....266
Buchanan, Thomas....383
Buchbinder, Susan....172
Buchler, J. Robert....101
Budget, federal....86, 159, 183, 245
Buescu, Jorge....22
Buie, Marc W....204
Buist, A. Sonia....55
Bukowski, John A....175
Bulimia....374
Bullitt, Esther....37
Buning, Pieter G....169
Bunn, H. Franklin....36
Bunyavanich, Supinda....55
Burchett, Sandra K....196
Burkholder, Wendell E....298
Burrows, Adam S....107, 326
Bush, Trudy L....75
Buss, David M....221
Buta, Ronald J....393
Byrd, Gene....392

C

Cachexia....254
Calcium....315
Calcium-channel blockers....254
Calendars....365
Cameron, Alastair G.W....70
Campbell, P.M....287
Camps, Pierre....244
Cancer....104, 262, 271, 375, 389
Cancer, brain....44, 280
Cancer, breast....7, 39, 74, 86, 104, 119, 213, 231, 271, 280, 301, 319, 341, 356, 375
Cancer, colorectal....72, 246
Cancer, diet....39, 72, 248
Cancer, endometrial....74, 231
Cancer, environment and....281
Cancer, esophageal....39, 254
Cancer, genetic basis of....119, 280, 293
Cancer, leukemia....44, 248
Cancer, lung....26, 71, 248, 383
Cancer, lymphoma....175
Cancer, mesothelioma....359
Cancer, oral....248
Cancer, ovarian....39, 213, 356
Cancer, prostate....134, 229, 293, 301
Cancer, skin....39
Cancer, squamous cell....39
Cancer, stomach....164, 367
Cancer, thyroid....383
Cancer, uterine....231, 375
Cancer metastasis....134, 271, 293
Cancer risk....39, 119, 280, 301, 308, 324, 341
Cancer therapy....231, 248, 262, 311
Cano, Raúl J....308
Cans, food....341
Capillary electrophoresis....77
Carbohydrates....72
Carbon....77
Carbon dioxide....390
Carbon molecules....77
Carcinogens....71, 254, 280, 359, 383
Cardé, Ring T....79
Carlson, Lawrence....237
Carlson, Robert W....167
Carpenter, Kenneth....56
Carr, Chavela M....325
Carrington, Walter A....359
Carroll, Robert L....294
Carroll, Thomas L....22
Carter, Ben....309
Carter, Howard....326
Cascadia subduction zone....196
Caspi, Avshalom....232
Cassé, Michel....70
Castle, Richard Stuart....309
Castro, Kenneth G....171
Cataclysmic variables....342
Catalysts....23, 327
Cataracts....303
Cattle....133
Catz, Charlotte....333
Cauterization....175
Cavalli-Sforza, L. Luca....390
Cave art....4, 52, 335
CD4 cells....135, 172
Cell cycle....389
Cells....39, 77
Centrosomes....359
Cerebral palsy....119
Ceri, Howard....376
CERN....4
Chagas' disease....92
Challis, John R.G....260
Chan, Michael K....150
Chant, C.A....58
Chaos....21, 58, 101, 264, 394
Chaos, brain cells....394
Charache, Samuel....68
Charon....204, 313
Chemical assays....237
Chemical bonds....294
Chemical evolution....279
Chemical reactions....84, 294, 328
Chemical reactions, oscillating...84
Chemical synthesis....135, 294
Chemical weapons....159
Chemistry....111, 122
Chemistry, organic....294
Chemistry, synthetic....294
Chemnick, Leona G....185
Chen, Irene Ann....55, 166
Chen, Lan Bo....311
Chernobyl....26, 383
Chernomyrdin, Victor....313
Child abuse....88, 340
Child development....315, 381
Childe, V. Gordon....120
Childhood diseases....55, 214
Children....42, 100, 132, 228, 315
Chimpanzees....253, 316
Chippindale, Christopher....4, 376
Chlorine bleaching....327
Chloroform....5
Chocoholics....374
Chocolate....374
Cholera....247
Cholesterol....72, 132, 157, 294
Cholesterol, dietary....315
Chou, Stephen Y....245
Christensen, Thomas A....79
Cigarettes....359
Cintala, Mark J....157
Cirac, J.I....325
Circadian rhythms....300
Cladis, Patricia E....182
Clague, David A....217, 284
Clancy, R. Todd....205
Clark, Christopher....351
Clarke, Arthur C....345
Cleland, Jeffrey L....262
Climate....118, 143, 171, 183, 214, 342, 390
Climate, ocean....342
Climate, polar....342
Climate change....154, 183, 214, 271, 362
Climate treaty....183, 271
Clinical trials....375
Clottes, Jean....52
Coates, Geoffrey W....23
Cochlear implants....348
Cochran, Anita L....293
Cockroaches....299
Coe, Robert S....244
Coffee....72
Cognition....74
Cohen, Michael M....300
Cohn, Daniel R....282
Colditz, Graham A....375
Coleman, Roger....341
Colgate, Stirling A....107
Collett, Wilmer J....13
Collins, Francis S....119, 367
Color blindness....100
Colten, Harvey R....197
Comer, Randall....60
Comet Shoemaker-Levy 963, 111, 167, 191, 309, 335
Comets....293, 309, 335
Complexity....136
Computer chips....191, 287, 391
Computer image processing....344
Computer memory....344
Computer models....21, 38, 61, 84, 122, 124, 154, 164, 186, 200, 234, 298, 344

Computer networks 344
Computer science 30, 124
Computer security 138
Computer simulations 124, 159, 164, 168, 191, 200, 234, 265, 359
Computers 200, 234, 245, 319, 344
Computers, algorithms 111, 315, 344, 359
Computers, architecture 235
Computers, medical consent 315
Computers, multiprocessing 234, 344
Computers, quantum 30, 325
Computers, speech 345
Cone cells 100
Congenital generalized hypertrichosis 348
Congress, funding 20, 245
Conrad, Jacinta Carmel 55
Consi, Thomas R. 78
Constantz, Brent R. 180
Contraception 301, 356
Cook, Cheryl M. 191
Cook, Kem H. 261
Corals 212
Cordell, Barbara 358
Cordry, Sean 267
Corkum, Paul B. 329
Corn 254
Cornell, Eric A. 340
Cornish, Katrina 254
Coronary bypass surgery 124
Cosmic dust 287
Cosmides, Leda 221
Cosmology 102, 230, 287
Cowie, Lennox L. 230
Cox, Daniel L. 88
Coxsackievirus 276
Coyne, James C. 148
Craters, impact 58, 157
Cray, Seymour 235
Creativity 378
Creutzfeldt-Jakob disease 383
Crime 232
Criminals 232
Crisp, David 335
Crocodiles 36
Crowley, Thomas J. 154
Crum, Lawrence A. 266
Cryptography 138
Cummings, Steven R. 180
Cummins, Christopher C. 294
Cummins, Jordan Matthew 55, 166
Curcumin 72
Curran, Tom 297
Cuthill, Innes C. 47
Cygnus Loop 119
Cystic fibrosis 197
Cytokines 262, 375
Cytoskeleton 311
Czerkinsky, Cecil 247

D

Dalton, John 100
Damashek, Marc 124
Dark matter 85, 261
Dasgupta, Samit 55, 166
Data storage 207, 245, 345
Databases 124, 344
Dating, carbon-14 346
Davidsen, Arthur F. 133, 372
Davis, Gary 171
Davisson, Clinton J. 269
De Robertis, Eddy M. 197
Deafness 348
Dean, David 85
Decisionmaking 8
Defensins 166
Dehydroepiandrosterone: See DHEA
Delinquency 232
Delson, Eric 85
Demas, Louis J. 24
Dementia 84, 181
Denke, Margo A. 132
Denlinger, Roger 217
Dental polymers 166
Dentatorubral and pallidoluysian atrophy 360
Department of Energy 86, 108, 159, 183, 245
Depression 22, 74, 118, 132, 148, 315, 333, 346, 378, 381
DES 324
Desforges, Jane F. 93
Desrosiers, Ronald C. 173
Deutsch, David 30, 325
Dey, Arjun 20
DHEA 391
Diabetes 348, 383
Diabetes, risk factors for 383
Dickinson, J. Thomas 215
Dickman, Paul S. 104
Dickson, John R. 44
Didanosine 100
Diehl, Scott R. 297
Diet 276
Diet, fat 132
Differential equations 21
DiFiglia, Marian 360
Digital image analysis 344
Digital libraries 344
Digital notary 138
Digital time stamping 138
Dillehay, Tom D. 377
Dioxins 28, 277
Dissociative disorders 340
Ditto, William L. 394
DiVincenzo, David P. 31, 325
Divorce 124
Dixon, Ronald A. 346
Djordjevic, Mirjana V. 303
DNA 100, 117, 135, 200, 279, 297, 335, 346, 360, 367, 390
Dodd, Roger Y. 93
Dogs 175
Doi, Kunio 319
Dolan, James F. 37
Dolphins 351
Domain patterns 54
Dong, Jin-Tang 293
Dopamine 52, 262
Dorit, Robert L. 326
Downs, Elinor F. 376
Drake, Miriam A. 344
Drevets, Wayne C. 38
Drewnowski, Adam 374
Drought 72
Drug delivery 262
Drug design 374
Drugs 143, 374
Dudley, Robert 294
Duncan, Katherine Ann 55
Duncan, Martin 293
Dupont, Emmanuel 329
Dwyer, Terence 151
Dyer, Melvin I. 381
Dyes 237, 343
Dziewonski, Adam 134

E

Earth mantle 134
Earthquakes 216, 357
Earthquakes, California 37, 223, 357
Earthquakes, damage 37, 54
Earthquakes, eastern U.S. 143
Earthquakes, faults 143
Earthquakes, Japan 54, 365
Earthquakes, Northridge 37
Earthquakes, Pacific Northwest 196, 223
Earthquakes, prediction of 37, 143, 196, 223, 357, 365
Eating disorders 374
Eberlein, Timothy J. 39
Ebola virus 333, 348
ed-Din, Abdel Halim Nour 327
Edmonds, Donald T. 38
Education 222
Edwards, Jonathan William 309
Eeles, Rosalind 229
Egypt 326
Ehlers, Rep. Vernon J. 20
Eimas, Peter D. 373
Einstein, Albert 269, 340
Eisele, Judith A. 376
Eisenhardt, Peter R. 394
Ekert, Artur 325
El-Fawal, Hassan A.N. 23
El Niños 154
Electric fields, health effects 308
Electric power lines 175, 308
Electricity 191
Electromagnetic fields 44, 175, 308
Electronic circuits 88, 287
Electrons 88
Element 111 5
Elements 294
Elias, Tamar 284
Ellis, Richard 287
Elitzer, Avshalom C. 388
Elson, Charles O. 247
Embryo rescue 292
Embryonic development 197
Embryos 197
Emiliani, Cesare 365
Emotions 378
Endangered species 184
Energy 191
Engineering 191
Englund, janet 100
Enquist, Magnus 61
Environment 351
Environment, impact studies 351
Environmental Protection Agency 87, 183
Enzymes 133, 135, 150, 341
Epidemics 22
Epidemiology 55
Epstein, Daniel 333
Epstein-Barr virus 104
Eriksson, Mats 46
Eruptions 324, 335
Escherichia coli 37
Esposito, Larry W. 205
Estroff, Sue E. 10
Estrogen 74, 231, 294, 375
Estrogen replacement therapy 74, 294, 301, 375
Estrogens, environmental 324, 341
Europa 205
European Space Agency 313
Everitt, Francis 167, 367
Evolution 133, 200, 261, 279, 294, 303
Extinctions 303
Eye disorders 116, 303
Eyes 100

F

Fabricius, Katharina E. 212
Familial adenomatous polyposis 246
Farmer, Martha C. 93
Fat, dietary 315, 317
Fatty acids, monounsaturated . 127
Fatty acids, *trans* 127
Fauci, Anthony S. 21, 172, 373
Fay, Fredric S. 359
Fechner-Bates, Suzanne 148
Feldman, David 341
Feldman, Paul D. 148
Femtosecond chemistry 328
Fermilab 149
Ferris, James P. 135
Fertility 127
Fertilization, in vitro 333
Fetal cell transplants 262
Fetal cells 6
Fetal development 310
Feynman, Richard P. 30, 269
Fiber optics 239
Field, Stuart B. 198
Field, Tiffany 333
Filippenko, Alexei V. 106
Filters 71
Fincher, G. Truman 299
Finkelhor, David 88
Finn, Olivera 39
Fish 151, 237
Fishing 260
Fitch, Val L. 367
Fitzgerald, Mark P. 263
Flaks, David K. 42
Flies 237
Flinn, Paul W. 298
Flint, Edward B. 266
Flor, Herta 357
Flowers 46, 127
Fluid dynamics 168
Fluorescence 359
Flynn, Brian C. 204
Foley, James W. 311
Folic acid 53
Folkman, Judah 262
Foltyn, Stephen R. 269
Food chain 237
Forbes, Andrew 351
Forests 90, 198
Forests, air pollution and 90
Forey, Peter 261
Forveille, Thierry 111
Fossils 56, 85, 246, 261, 294, 303, 308
Foster, John C. 68
Fowler, Donald D. 376
Fox, Nathan A. 333
Fractals 136
Fractures, bone 180
Fragile X syndrome 360
Frank, Ellen 346
Frankel, Wayne N. 153
Free radicals 248, 271, 301
Freedman, Wendy L. 198
Frei, Balz 310
Friction 239
Friedman, Howard S. 124
Friedman, Louis D. 312
Friedman, William A. 228
Frischauf, Anna-Maria 331
Frommhold, Lothar 267
Fruit flies 237, 253
Fruits 248
Fryxell, Bruce A. 107, 234
Fuchs, Elaine 297
Fujiwara, Teizo 54
Fullerenes 77
Fusion 6, 267, 394
Fusion, cold 267

G

GABA 247
Gabbott, Sarah E. 261
Gabunia, Leo 85
Gage, Fred H. 182
Gaitan, D. Felipe 266
Galanthamine 212
Galaxies 230
Galaxies, classification of 111
Galaxies, distance to 20
Galaxies, evolution of 287, 358
Galaxies, formation of 42
Galaxies, ring 42
Galaxy, most luminous 394
Galileo mission 25, 167, 207, 309
GALLEX 6
Gallium arsenide 239
Gallo, Robert 348
Gallstones 310
Galvin, Robert 108
Gambrell, R. Don, Jr. 375
Gamma Ray Observatory 70
Gangestad, Steven W. 60
Gans, Carl 294
Garcia-Molina, Hector 344
Gardner, Howard 220
Gardner, Jamie N. 324
Garofalo, Roberto 231
Garza-Valdes, Leoncio A. 346
Gastrointestinal bleeding 69
Gates, George A. 348
Gauntt, Charles J. 276
GDNF 52
Geary, David C. 221
Geissler, Paul 207
Gene insertion 293, 297
Gene mapping 152
Genes 15, 100, 151, 197, 293, 297, 330, 341
Genetic diseases 149, 152, 182, 197, 330, 348, 360, 389
Genetic engineering 36, 77, 143, 254, 358, 367, 374
Genetic screening 119
Genetic testing 119
Genetics 136
Geomagnetic field 244
Geomagnetic reversals 244
Geometry 140
George, Michael W. 168
Gerber, Mariette 271
Gerhardt, Philipp 308
Germer, Lester H. 269
Germino, Gregory G. 330
Ghiorso, Albert 5
Gibbons, John H. 20, 87, 245
Gibson, Everett K. 180
Gill, Thomas J., III 6
Gillies, George T. 263
Gimbutas, Marija 120
Glass 40, 199
Glen, William 58
Glendenning, Norman K. 295
Global change 362
Global Positioning System 217
Global warming 7, 143, 150, 154, 183, 214, 271, 362, 390
Global warming, biological effects of 151
Glovsky, M. Michael 244
Glucksman, Sandra 331
Glucose 181
Gold, Ezra 191
Goldin, Daniel S. 86, 367
Golier, Julia A. 157
Golombok, Susan 333
Gonorrhea 373
Gonzalez, Frank J. 277
Goodall, Jane 28, 316
Goodman, Corey 297
Gopnik, Myrna L. 70
Gordon, Robert J. 328
Gore, Al 183, 313
Gott, J. Richard, III 102
Goudey, Clifford A. 78
Gout 310
Goyal, Amit 269
Graham, David 134
Graham, James R. 20, 389, 394
Graham, Jeffrey B. 294
Graham, Nicholas E. 154
Grain 298
Grammar, languages 70
Grannis, Paul D. 149
Grantham, Jared J. 330
Granular flow 159, 372
Grapes 292
Graph theory 44
Grasshoppers 381
Grasso, Frank W. 79
Gravitational constant 263
Gravitational lens 287, 394
Gravitational waves 311
Gravity 167, 263, 311, 367
Gravity, quantum 311
Green, Howard 361
Greenberg, Richard 207
Greenhouse gases 183
Greenland 7
Greenland Ice Sheet Project 2 342
Greer, A. Lindsay 199
Grens, Ann 15
Grether, Judith K. 119
Grief 22
Griep, David 148
Griest, Kim 261
Grieve, Richard A.F. 157
Griffin, Beverly E. 105
Griffin, Larry P. 315
Griffin, Michael 165
Griffiths, Richard E. 358
Grisso, Thomas 8
Groves, Colin P. 185
Growth factors 262
Growth hormones 262
Guayule latex 254
Guettler, Knut 359
Gupta, Arunava 223
Guralnick, Sidney 319
Gurney, Bruce A. 245
Gusella, James F. 361
Guth, Alan H. 102, 269
Gynecologic procedures 315
Gyroscopes 167

H

Haber, Stuart 138
Hagstrum, David W. 298
Hahn, Richard L. 6
Halbreich, Uriel 74
Hale, Kenneth 117
Hall, Brian K. 348
Hall, Doyle T. 205
Hammel, Heidi B. 309
Hammerberg, James E. 239
Hamuy, Mario 107
Handedness 253
Hands 15
Hannun, Yusuf 356
Hanson, Roger J. 359
Happé, Francesca G.E. 381
Harder, Lawrence D. 127

Hardin, Ronald H. 140
Harp, Dennis 375
Harris, Jack W.K. 237, 260
Harris, Lester F. 200
Harris, Peter C. 330
Harris, Thomas Joe 55
Hasselmann, Klaus 362
Hattangadi, Neil Ashok 55, 309
Hayden, Michael 361
Hayes, John C 107
Heagy, James F. 22
Hearing 348, 351
Hearing aids 348
Hearing loss 348
Heart 149
Heart disease 74, 108, 124, 228, 294, 301
Heart disease, diet 127
Heart valves 228
Heat 88
Heaton, Thomas H. 196
Hedin, Lars O. 91
Heinrich, Hartmut 118
Heinrich events 118
Heintz, Nathaniel 389
Heitz, James R. 237
Helicobacter pylori 164, 231, 367
Helium, intergalactic 372
Heller, Eric J. 265
Helou, George 358
Hemagglutinin 343
Hemoglobin 36, 68
Henderson, Victor W. 75
Hendry, Lawrence B. 201
Henneberg, Maciej 215
Henningfield, Jack E. 303
Hepatitis 92, 171
Herant, Marc 107
Hernell, Olle 231
Herpes 231
Herrera, Guillermo A. 93
Herrnstein, Richard J. 220, 232
Herzenberg, Leonard A. 278
Herzenberg, Leonore A. 278
Herzog, Thomas 388
Hester, John H. 119
Hewatt, W.G. 143
Heyman, Barry N. 13
Hickling, Robert 267
Hiebert, Fredrik T. 125
Hilderbrandt, Richard L. 122
Hiller, Robert J. 266
Hinton, Leanne 117
Hip fractures 180
Hirsh, Larry J. 388
Hirschfeld, Robert M.A. 118
HIV 21, 22, 92, 100, 103, 104, 108, 135, 172, 175, 196, 214, 262, 278, 348, 373
Ho, David D. 21, 173
Ho, Seng-Tiong 367
Hobfoll, Stevan E. 381
Hodgkin's disease 105
Hoernle, Kaj 134
Hoffer, Barry J. 262
Hoffman, Kenneth A. 244
Hoffman, Michael R. 15
Hofmann, David J. 150
Holder, Jenelle Cassia 55
Holmes, Nathan Daniel 55
Holt, Jeffrey T. 213
Hominids 85, 215, 237, 253, 316
Homo erectus 85, 326
Homocysteine 53
Homosexuality 42
Hopkins Ultraviolet Telescope 133, 148, 372
Hormones 7, 260, 262, 300, 356
Hormones, environmental 324
Hornbeck, James 90
Horses 47
Hough, Susan E. 37
Howard, Paul C. 254
Hoy, Marjorie 299
Hu, Esther M. 230
Hubble constant 106, 198
Hubble Space Telescope 5, 36, 42, 56, 111, 119, 198, 204, 287, 293, 309, 342, 358, 394
Huchtmeier, Walter K. 393
Hughes, Stephen 103
Hull, Thomas C. 44
Humans 260
Humans, evolution of 85, 237, 253, 260
Humidity 315
Hunt, David M. 100
Hunter-gatherers 4
Hunting 316
Huntington's disease 360
Hutchison, Clyde A., III 133
Hybrids 184
Hydra 15
Hydrogel 191
Hydrogen 328, 372
Hydrogen bonds 391
Hydrogen peroxide 327
Hydroxyurea 68
Hypertension 71

I

Iacuzio, Dominick 343
Ibuprofen 197
Ice ages 118, 342
Ice cores 342
Ice sheets 118
Ida asteroid 191, 207
Immunity 11, 21, 23, 39, 104, 135, 172, 231, 247, 278, 292, 343, 348, 373, 375
Immunoglobulin 376
Impulsivity 232
Incest 88
Indo-European language 120, 390
Infants 55, 119, 132, 151, 196, 231, 253, 260, 333
Infants, feeding 132
Infections 22
Infertility 324
Influenza 343
Infrared Space Observatory 314
Infrared Telescope 148
Innanen, Kimmo 392
Innes, Roger 143
Insecticides 298
Insects 46, 294, 298
Insomnia 300
Insulin 262, 341, 383
Insulin-producing cells 348
Integrated circuit chips 235, 239
Intelligence 220, 232
Intelligence tests 220, 232
Interferometry 116
Interferon 262
Intergalactic gas 133, 372
Interleukins 135, 231, 262, 375
International Science and Engineering Fairs 309
Internet 102
Io 148, 335
Iodine 328, 383
Ionosphere 68
Iron 327
Irwin, Michael 11
Isaacs, Charles E. 231

J

Jablonski, David 303
Jabri, Evelyn 310
Jackson, David D. 37, 357
Jackson-Grusby, Laurie 246
Jacob, Howard J. 152
Jacobs, Gerald H. 100
Jaenisch, Rudolf 246
James, Philip B. 205
Jamison, Kay R. 380
Janczewski, Dianne N. 185
Janvier, Philippe 261
Jarrell, Jerry 391
Jensen, Roderick V. 264
Jensen-Campbell, Lauri A. 165
Jeste, Dilip V. 181
Jet lag 300
Jewitt, David 293
Johanson, Donald C. 237
John, Simon W.M. 71
Johnson, Kenneth A. 103
Johnston, David 217
Johnstone, Rufus A. 61
Jones, Jonathan C.R. 15
Jones, Steven 267
Jozsa, Richard 325
Julien, Jean-Pierre 279
Julienne, Paul S. 31
Jupiter 25, 111, 191, 205, 251, 309, 335

K

K-T extinctions 58, 303
Kagan, Jonathan M. 278
Kagan, Yan 357
Kairo, I.A. 383
Kamar, Arun 154
Kampen, Diane L. 74
Kanazawa, Ichiro 360
Kanki, Phyllis 373
Kapp, Judith A. 247
Kapsner, Wanda R. 7
Karesh, William B. 189
Karl, Thomas R. 155, 363
Karplus, P. Andrew 310
Kasevich, Mark A. 388
Kassebaum, Jeremy David 55, 309
Kasson, Peter Matthews 55
Kastner, Joel H. 111
Katan, Martijn 72
Katon, Wayne 148
Kayyem, Jon F. 117
Keating, Mark T. 149
Keck Telescope 20, 230, 389, 394
Keefe, Anthony D. 135
Keeling, Charles D. 390
Kelly-Borges, Michelle 69
Kelsey, Karl T. 151, 281
Kem, William R. 212
Keney, Anne R. 345
Kennedy's disease 360
Kepler, Johannes 107
Kerbel, Robert S. 262
Keshan disease 276
Ketten, Darlene 351
Khachaturian, Zaven S. 181
Khazanov, Aleksandr Leonidovich. 55, 166
Khosla, Chaitan 374
Kibble, B.P. 63
Kidneys 310, 330
Kilauea volcano 216
Kilogram 63
Kim, Harry 218, 285
Kim, Peter S. 325
Kim, Soo Yuen 55
Kim, Tae-Sun 230
Kimbel, William H. 237
Kimura, Mari 359
King, Jonathan A. 186
Kirhakos, Sofia 56
Klein, Denise 202
Klein, Norman 53
Kleinerman, David I. 293
Klima, Bohuslav 276
Klish, William J. 132
Klonoff-Cohen, Hillary Sandra 151
Kneib, Jean-Paul 287
Knopf, Fritz L. 28
Koga, Dennis J. 168
Kogge, Peter M. 235
Kolláth, Zoltán 101
Komiyama, N. Hennakao 36
Konstan, Michael W. 197
Koopman, James S. 22
Kordower, Jeffrey H. 262
Kosley, Raymond W. 212
Kothary, Rashmi 297
Kousky, Vernon 155
Koutrakis, Petros 285
Koval, Tom 26
Krauss, Michael E. 117
Kremen, Adam 233
Krinsky, Norman I. 249
Krishnan, Aruna V. 341
Kriss, Gerard A. 372
Kryder, Mark H. 245
Kudrolli, Arshad 264
Kuiper belt 293
Kulfan, Robert M. 168
Kunitsyn, Vyatcheslav E. 68
Kunkel, Barbara N. 143
Kwiat, Paul G. 388
Kwiatkowski, Kris 228

L

Labandeira, Conrad C. 294
Labrecque, Louise G. 105
Lagow, Richard J. 77
Lahav, Ofer 111
Laird, Peter W. 246
Lajinian, Shoghag 315
Laminin 15
Landauer, Rolf 30
Lander, Eric S. 152
Lane, H. Clifford 135
Lange, Benjamin 167
Langer, Arthur M. 71
Langermann, Solomon 11
Language 70, 101, 117, 120, 202, 232, 373, 390
Language disorders 70
Lankton, Regina 40
Lanzetta, Kenneth M. 133, 230
Lapinleimu, Helena 132
Laplaza, Catalina E. 294
Large Hadron Collider 4
Large Magellanic Cloud 261
Laser cooling 31, 325, 340
Lasers 328, 343, 365, 367
Lasers, femtosecond 328
Lasers, molecular excitation 328
Latex 244, 254
Lauer, Ronald M. 315
Lawrence, David A. 23
Lawrence, Gregory 91
Le Guenno, Bernard 348
Leach, Charles T. 104
Lead, health effects 23, 151
LeBeck, Lynn M. 299
Lee, Christopher 311
Lee, Dennis E. 247
Lee, Steven W. 205
Lehoucq, Roland 70
Lehrer, Robert I. 166
Leigh, G.J. 295
Leikauf, George 23
Leiter, Edward H. 341
Lenfant, Claude 68
Lepoint, Thierry 267
Lerner, Richard 356
Lesbians 42
Lesnikov, Vladimir A. 301
Levav, Itzhak 346
Lévesque, Benoît 5
Levin, Leonard A. 116
Levine, Herbert 142
LeVine, Kara Jane 55
Levine, Reed Loring 55
Levison, Harold F. 293
Lewis, Nathan S. 111
Lewis, Roger A. 376
Lewy, Alfred J. 300
Li, Jonathan J. 356
Libchaber, Albert 142
Libraries 345
Lichtenberger, Lenard M. 69
Lidar 365
Lidz, Charles W. 10
Lieberburg, Ivan 84
Liebert, James W. 389
Liebowitz, David 105
Life, origin of 135, 279
Lightning 365
Likharev, Konstantin K. 235
Likhtarev, I.A. 383
Lin, Chit-Kwan 55
Lin, Douglas N.C. 252
Lin, Lorraine H. 38
Lindbohm, Marja-Liisa 28
Linde, Andrei D. 102
Lindsay, Karen L. 93
Lindsay, Robert A. 388
Lindsay, Ronald M. 52
Linear acetylenic carbon 77
Link, Bruce G. 10
Linoleic acid 127
Linsley, Peter 292
Lipoproteins, high-density 294
Lipoproteins, low-density 315
Lipoxygenase inhibitors 254
Lippard, Stephen J. 310
Lipton, Stuart A. 279
Liquid crystals 182
Liquido, Nicanor J. 237
Liquids 223, 394
Lithium 70, 191
Lithography 287
Liu, Margaret A. 343
Liu, Michael C. 394
Livshits, Gregory 61
Lloyd, Seth 31
Lobsters 78
Local Group 392
Löfstedt, Ritva 267
Logsdon, John M. 312
Long QT syndrome 149
Longiaru, Minsu De Bortoli 55
Longo, William E. 359
Lönnerdal, Bo 231
Loomis, Dana P. 44
Loth, Susan R. 215
Lotti, Rusty 118
Lowenstein, Jerold M. 376
Loy, Thomas H. 376
Lubin, Jay H. 383
Lubowicz, Katarzyna 55
Ludwig, Arnold M. 378
Lungs 55, 271
Lunine, Jonathan I. 326
Luther, Gabriel 263
Lyding, Joseph W. 391
Lyman-alpha forest 230
Lyme disease 11

M

Mac Low, Mordecai-Mark 309
Macchetto, Duccio F. 5
MacDonald, Noel C. 207
Macedo, Pedro 40
MACHOs 261
Magnesium sulfate 119
Magnetic fields 175, 198
Magnetic resonance imaging 295, 340
Magnetic storage 245
Magnetite 175
Magneto-optical materials 245
Magnetoresistance 245
Magnussen, Olaf M. 394
Maffei I 392
Mahadevan, Rohan 230
Mahjouri, Mani S. 309
Mair, Victor 125
Makhijani, Arjun 41
Makowski, Lee 37
Malaria 103
Malnutrition 254
Mamin, H. John 207
Mammography 319
Mandel, Jean-Louis 361
Manfield, Laura 55
Manning, John T. 46, 60
Mannix, Edward T. 254
Manson, JoAnn E. 108
Manuelidis, Laura 383
Mao, Shuguang 303
Maple, M. Brian 88
Maple, Terry 184
Marcellin, Patrick 171
Marchant, Linda F. 253
Marcy, Geoffrey W. 389
Marine organisms 212, 350
Markow, Therese A. 46, 60
Marrazzi, Mary Ann 374
Mars 180, 204, 313
Mars Observer 165
Marsh, Othniel Charles 56
Martinez, Fernando D. 55
Martinis, John M. 88
Materials, processing 269
Materials science 54, 343
Mathematics 140, 186, 221, 319
Mathis, Diane 348
Mating strategies 46, 60, 165
Matsushita, Mitsugu 137
Mattei, Janet 101
Matthews, Robert A.J. 319
Mattingly, Stephen J. 346
Mayewski, Paul A. 342
Mboup, Souleymane 373
McBeath, Michael K. 297
McCaleb, Robert 72
McCall, Marshall 392
McCarthy, Dennis 69
McCarthy, J.J. 159
McClain, Kenneth L. 104
McClellan, Roger O. 71
McCormick, Patrick 365
McCullough, Jeffrey 92
McDaniel, Robert 374
McGowan, John 151
McGrew, William C. 253, 316
McIntosh, Kenneth 196
McKinney, Ross E., Jr. 100
McLaren, Digby 63
McPherson, Ron 391
McNeely, Tessie B. 108
Meade, Thomas J. 117

Measurement, standard....63
Medical software....315
Melatonin....300
Melosh, H. Jay....191
Memory....74, 253, 340
Men....88, 100, 127, 229, 324, 326, 346
Menon, Anil Samoilenko....55
Menopause....74, 294, 375
Menstruation....7
Mental illness....8, 378
Merajver, Sofia D....213
Mercury (element)....237, 394
Merrill, Ronald T....244
Metal alloys....53, 199
Metallic glass....199
Metals....394
Metcalfe, Guy....159
Meteorites....180
Methane....150
Methionine....53
Methylation....246
Methylmercury....237
Meunier, Bernard....327
Meyer, Hinrich....263
Meyer, Leroy W....175
Meyer, Raymond E....13
Mice....152, 197, 262, 297
Mice, knockout....197, 277, 297, 361
Michaelis, Winfried....263
Michalek, Joel E....28
Microelectronics....239, 287
Microlithography....391
Micromachines....207
Microscopy....359
Microspheres....262
Microwaves....264, 282
Mignogno, Michael....165
Migration....28, 263
Miles, H. Lyn....184
Milk....231, 315
Milk, breast....231
Milky Way Galaxy....5, 230, 261, 392
Miller, Arnold I....303
Miller, Christian Basil....55
Miller, David A.B....239
Miller, John H....201
Miller, Stanley L....135, 279
Millikan, Robert A....269
Mills, James L....53
Mining....383
Minne, Steven C....287
Mir space station....312
Mishra, Prashant....55
Mitochondrial DNA....185, 263, 326, 335
Mizoue, Megumi....54
Mockrin, Stephen....152
Modell, Michael....138
Moffitt, Terrie E....232
Mold....254
Molecular biology....310, 374
Molecular electronics....234
Molecular recognition....200
Molecules, evolution of....133, 200
Molecules, synthetic....374
Moller, Anders P....46
Molybdenum....294
Monahan, John....8
Monkeys....316
Mononucleosis....104
Mood disorders....132, 378
Moon....157
Moore, Paul A....79
Moran, James M....36
Moran, Michael....266
Moran, Paula M....358
Morgan, Edward....285
Morgan, Wayne J....55
Morrow, James W....284
Moss, William....267
Mothers....253
Mourning....22
Mouse model, Alzheimer's disease....84, 358
Mouse model, ulcers....164
Mouths....166
Mt. St. Helens....217
Muir, C. Cam....185
Multiple sclerosis....247
Munk, Walter....350
Murray, Charles....220, 232
Music....88, 359
Mutagenesis....133
Mycobacteria....292
Myer, Larry R....56
Myers, Richard M....361

N

Nadeau, Robert....223
Nagai, Kiyoshi....36
Naggert, Jürgen....341
Naloxone....374
Nanotechnology....287
Narayan, Ramesh....230
NASA....86, 183, 245
NASA, launch schedule....24, 313
Nathanielsz, Peter W....260
National Institute of Standards and Technology....87, 159
National Institutes of Health....86, 245
National Oceanic and Atmospheric Administration....86
National Science Foundation....86, 159, 183, 245
Natural gas....171
Natural killer cells....11
nef gene....173
Neff, Susan G....213
Neitz, Jay....100
Neitz, Maureen....100
Nelson, David L....389
Nelson, Karin B....119
Nemiah, John C....229
Nervous system....23, 231
Nesson, Michael H....175
Neural networks....111
Neural transplants....182
Neural tube defects....53
Neurodegenerative disorders....297
Neuroleptic drugs....181
Neurons....272, 297
Neurotoxins....212
Neurotrophic factors....52
Neutrino detector, liquid scintillator....85
Neutrinos....6, 85
Neutron stars....106, 228
Neutrophils....197
Newman, Margaret E....376
Newton, Gerald L....135
Nichols, Johanna....125
Nicholson, Philip D....309
Nicotine....212, 303
Nicotine receptors....212
Nies, Ann M....285
Nitrates....90
Nitrogen....294
Noble gases....116
Nocedal, Jorge....124
Noll, Keith S....167, 205
Nonlinear optical properties....343
Nonsteroidal anti-inflammatory drugs....69, 72
Norred, William P....254
Nuclear waste....282
Nuclei....228
Nucleosynthesis, primordial....372
Number theory....319
Nyquist, Lawrence E....180

O

Obesity....39, 341
O'Brien, Stephen J....185
Obsessive-compulsive disorder....132
Obstetric procedures....315
O'Callaghan, James....23
Ocean floor, vents....150
Ocean surface....151
Ocean temperatures....151, 154, 350
Oceans, acoustics....350
Oceans, atmospheric interactions....350
Oceans, sea level....7
Ockenden, Louise....47
Ocko, Benjamin M....394
Oil....44, 171
Oil spills....111
Okano, Teruo....191
Olea, Nicolás....341
O'Leary, Hazel R....86, 108
Oleinik, Anton....246
Olive oil....39
Olson, Lars....52
Oltmans, Samuel J....150
Omega laser....394
Onoda, James....254
Onuchic, Jose N....164
Oppenheimer, J. Robert....324
Optical switches....239
Optics....388
Optoelectronics....239
Orangutans....184
Oren, Dan....301
Origami....44
Orr, Harry T....361
Oscillators, electrical....21
Osmer, Patrick S....36
Osteoporosis....61, 74, 180, 231, 294, 388
Ostriker, Jeremiah P....56, 230
Ostrom, John H....56
Ott, Douglas E....175
Ott, Edward....22
Ottino, Julio M....159
Oxman, Thomas E....124
Oxygen....294
Oyama, Noboru....191
Ozone, stratospheric....150, 277
Ozone holes....277, 303

P

Pääbo, Svante....326
Packer, Craig....28, 46
Paganini-Hill, Annlia....75
Pain....357
Pain, phantom-limb....357
Pantaleo, Giuseppe....172
Paper....327
Parajulee, Megha N....299
Parasites....298
Parenting....42, 88, 103, 333
Paris, Joel....340
Park, Robert....308
Parkin, Stuart....245
Parkinson, David R....375
Parkinson's disease....52, 182, 262
Particle accelerators....4, 149
Particle physics....85
Patel, Pragna I....348
Patterson, Charlotte J....42
Patterson, Joseph....342
Pauling, Linus....310
Pauly, John L....71
Pecora, Louis M....22
Pectins....134
Pennington, Bruce F....239
Peoples, George E....39
Peptides....39, 71
Periodontal diseases....166
Perkins, Lori A....184
Personality....118, 124, 232
Pertussis....214
Perutz, Max....361
Pesticides....237
Pesticides, air pollution....175
PET scans....157, 181, 202
Petersen, Lyle R....93
Petit, Jean-Marc....207
Petrocelli, Gina....55, 166
Petroleum....171
Phase difference....328
Phase transitions....182
Phelps, Creighton....358
Phillips, Mark M....107, 198
Phillips, Peter....138
Phillips, Thomas W....298
Phillips, Tracy Caroline....55, 166, 309
Phospholipids....69
Photoactive molecules....237
Photoactive pesticides....237
Photodynamic therapy....311
Photonics....367
Photons....388
Physicians....148
Physicists....269
Physics....269
Pi....319
Piazza, Alberto....390
Pienta, Kenneth J....134
Pierpaoli, Walter....301
Pigments....100
Pilon-Smits, Elizabeth A.H....72
Pineal gland....300
Pinto, Philip A....107
Placenta....310
Planets....326
Planets, formation....111, 251
Plankton....151, 212
Plants....72, 127, 143, 381
Plants, disease resistance....143
Plaque, brain....84
Plasmas....282
Plastics....23, 341
Plate tectonics....59, 134
Plouffe, Simon....319
Pluto....204, 313
Podolsky, Boris....269
Pollen....46
Pollination....127
Pollution....15, 284, 327
Polychlorinated biphenyls....44, 277
Polycyclic aromatic hydrocarbons....180
Polycystic kidney disease....330
Polyketides....374
Polymerase chain reaction....100, 105, 153, 308, 335
Polymers....23, 191, 199, 262
Polypropylene....23
Pons, Tim P....357
Porphyrins....151
Porter, Richard H....253
Positron emission tomography: See PET scans
Posner, Michael....38
Post-traumatic stress disorder....11, 229, 340
Postmenopausal women....74
Potholes....319
Poverty....381
Prasad, Kedar N....248
Prebiotic soup....135
Predation....316
Preeclampsia....315
Pregnancy....28, 53, 260, 310, 315, 333, 381, 383
Premature labor....28, 315
Prevelige, Peter E., Jr....186
Prévot, Michel....244
Prigerson, Holly G....22
Primordial evolution....200
Primordial soup....279
Prince, Robert E....40
Prions....383
Pritchard, David E....116
Progesterone....74, 301
Progestin....375
Prostate gland....229
Prosthetics....15
Protein binding sites....200
Protein design....164
Protein folding....164, 199
Protein synthesis....133, 200
Proteins....150, 164, 199, 200, 279
Protons....4
Prusiner, Stanley B....383
Pryke, Ian W....314
Psychiatric disorders....132
Psychiatric patients....8, 157
Psychiatrists....8
Psychoneuroimmunology....11
Psychotherapy....148
Puga, Alvaro....214
Purday, Jonathan....345
Purnell, Mark A....261
Putterman, Seth J....266

Q

Quantum gravity....311
Quantum measurement....388
Quantum mechanics....30, 264, 311, 325
Quantum physics....388
Quarks....149, 295
Quasars....56, 372
Quate, Calvin F....287

R

Rabitz, Herschel A....329
Radar....68
Radiation, health effects of....254
Radiation, human experimentation....102
Radiation detectors....282
Radiation protection....301
Radiation therapy....254
Radio sources, astronomical....230
Radio telescopes....36
Radio waves....68
Radioactive fallout....383
Radon....26, 383
Raghavan, R.S....6
Raisins....292
Ramachandran, Vilayanur S....357
Ramming, David W....292
Rappuoli, Rino....164
Rational design....374
Rats....152
Raup, David M....303
Reach, William T....287
Reading....157, 222
Recker, Robert R....388
Recycling....44
Reddy, Bandaru S....72
Rees, Douglas C....150
Rees, Martin J....36
Refrigerators....88
Reif, John S....175
Reilly, Kevin D....310
Reiter, Russel J....301
Relativity theory....167, 311, 367
Religious beliefs....124
Renfrew, Colin....120
Renne, Paul R....237
Reproduction....28
Reproductive hazards....324
Research, funding....6, 20, 86
Resins, dental....166
Respiratory disorders....271, 285
Retinas....100
Retinoic acid....231, 248
Reverse transcriptase....103
Rey, Felix A....325
Reynolds, Joel....351
Rhee, David Y....282
Rice, Stuart A....329
Richards, Ruth....380
Richardson, Barbara Ellsworth....315
Richner, Heinz....103
Risk assessments....159
RNA....135, 279
Robb, John....121
Roberts, Charlotte....346
Roberts, Paul H....244
Roberts, Robert....150
Robertson, Michael P....279
Robinson, Scott K....198
Robots....15
Roederer, Mario....278
Roemmich, Dean....151
Rogers, Garry....196
Root-Bernstein, Robert S....379
Rosen, Nathan....269
Rosenfeld, Andrée....4
Ross, Christopher A....361
Ross, Michael....309
Rossman, Michael G....325
Rothstein, Jeffrey D....279
Rovelli, Carlo....311
Rowan-Robinson, Michael....394
Rowe, Marvin....335
Roy, Archie E....63
Roy, Ronald....267
Rubber....244, 254
Rugg, Michael....101
Russian space program....312
Rwanda....12
Ryder, Oliver A....185

S

Safrit, Jeffrey....173
Saliva....108
Salmeron, Miquel....223
Samet, Jonathan M....26
Sand....159, 198, 372
Sandage, Allan R....107, 198
Sandler, Dale P....7
Santer, Benjamin D....363
Santerre, J. Paul....166
Satake, Kenji....223
Satellites....165, 167
Satellites, Landsat....165
Satellites, weather....171, 277
Saturn....111, 251
Savitz, David A....44, 308
Scadden, Lawrence....122
Scanning tunneling microscopy....207, 287, 391
Schatz, Bruce R....344
Schauer, David....367
Schein, Oliver D....303
Schiff, Steve....108
Schizophrenia....61, 181, 202, 247, 297
Schlaug, Gottfried....88
Schlessinger, David....367
Schmiedmayer, Jörg....116
Schneider, Donald P....56
Schneider, Michael C....330

Schneider, Stephen H. 363
Schonwetter, Barry S. 166
Schulze, Ernst-Detlef 90
Schwartz, David P. 357
Schwartz, Joel L. 248
Schwartz, Ronald H. 292
Schwenk, Thomas L. 148
Schwinger, Julian 267
Science funding 183, 245
Scientists 378
Scowcroft, William R. 12
Sea levels 7
Sea turtles 351
Seabirds 151
Seafood 237
Seals 350
Sears, Malcolm 55
Seasonal affective disorder 300
Second-harmonic generation ..343
Seed banks 12
Seeds 12
Segall, Paul 365
Selenium 276
Self-organized criticality 198
Semaw, Seleshi 237
Semen 127
Sengupta, Debleena 55
Sensing devices 77, 78
Sensors 78
Sentman, Davis D. 365
Sereno, Martin I. 295
Séris, Jean-Louis 327
Serre, Thierry 101
Setlow, Peter 308
Seuanez, Hector N. 184
Seul, Michael 54
Sex differences 215
Sexual abuse 88, 340
Sexual selection 47, 165
Shadick, Nancy A. 11
Shapes 54
Shapiro, James A. 136
Shapiro, Moshe 329
Shaw, George M. 21
Shaw, Herbert R. 58
Shawlot, William 197
Shaywitz, Bennett A. 101
Shechtman, Dan 269
Shen, Tsung-Cheng 391
Shen, Zhi-Xun 88
Sher, Alan 375
Sherbert, Rick 40
Sherins, Richard J. 127, 324
Sherwin, Barbara B. 74
Shields, Peter G. 280
Shiloh, Yosef 389
Shinbrot, Troy 159
Shklar, Diane 249
Shklar, Gerald 249
Shor, Peter W. 30, 186
Shortle, Walter C. 91
Showalter, Kenneth 84
Shroud of Turin 346
Shulman, Ira A. 93
Sickle-cell anemia 68
Sickle cells 68
Siegle, Joe 13
Siegler, Robert S. 222
Siler, Deborah J. 254
Silicon 239, 391
Simian immunodeficiency virus 173
Simonds, John L. 245
Simons, Ted R. 199
Sims, Daniel Billy 55
Sion, Edward M. 342
Skagen, Susan K. 28
Skakkebaek, Niels E. 324
Skawinski, William J. 122
Skin, artificial 15
Skin disorders 297, 303
Skinner, Gerry K. 230
Skolnick, Mark H. 119, 213
Sleator, Tycho 325
Sleep 11, 356
Sleeping pills 300
Sloane, Neil J.A. 140, 319
Sly, William S. 182
Sly syndrome 182
Small, Gary W. 181
Smart materials 191
Smell 78
Smells 253
Smith, Christopher M. 15
Smith, Hamilton O. 367
Smith, Marcia S. 313
Smith, Paul H. 234
Smith, Roger 260
Smith, Terence R. 345
Smith, Warren D. 140
Smoking 55, 71, 151, 280, 310, 359
Smolin, John 31
Smolin, Lee 311
Snow, Eric S. 287
Snuff 303
Snyder, Abraham Z. 157
Snyder, Carroll A. 23
Snyder, Evan Y. 182
Sobolev, B.G. 383
Social isolation 124
Sodium 116
Soffer, Olga 276
Sokal, Robert R. 390
Solvents 175
Sommerer, John C. 22
Songaila, Antoinette 230
Sonoluminescence 266
Sorokin, Alexander 327
Soto, Ana M. 341
Sound waves 266
Space Infrared Telescope Facility 314, 326
Space stations 312
Spearman, Charles 220
Specific language impairment 70
Spectroscopy 88
Speech 70, 101, 373
Speech recognition 345
Spemann, Hans 197
Spence, Rebecca A. 103
Spencer, Jane E.B. 148
Spencer, John R. 148, 309, 335
Spergel, David N. 261
Sperm 127, 324
Spiders 38
Spiegel, David 340
Spinocerebellar ataxia type 1 ..360
Spinrad, Hyron 20
Sponges 69
Sprites 365
Squires, Kathleen 174
Sridhar, Srinivas 264
Srivastava, Neil Castillo 55
Standards 63
Stanford, Craig B. 316
Stanley, H. Eugene 142
Stars 5, 230, 295
Stars, death of 106
Stars, evolution of 106
Stars, variable 101
Steadman, Henry J. 9
Stauffer, John 389
Stecher, Theodore P. 213
Steel 271
Steigman, Gary 372
Stein, Murray B. 340
Steinbock, Oliver 85
Stellar evolution 106, 389
Stereolithography 122
Sterling, Thomas 234
Stern, Alan 204, 293
Stern, Virginia W. 123
Stevenson, Mary 375
Stewart, Caro-Beth 133
Stewart, Ian 22
Stiasszny, Martin Tibor 55, 166
Stone Age 276
Stone Age paintings 52, 376
Stone Age tools 260, 376
Storms 68, 391
Stornetta, W. Scott 138
Storrs, Alex 206
Stratosphere 150
Strauss, Jerome F., III 28
Streck, Richard J. 71
Stress 229, 346
Stroke, H. Henry 269
Stumpf, Paul G. 375
Sudden infant death syndrome 151
Suen, Eric 319
Suicide 157, 379
Sulfur 284, 328
Sulfur dioxide 284
Sullivan, John L. 173
Sullivan, Timothy J. 244
Sun 6
Supercomputers 234
Superconducting Super Collider 56
Superconductors 54, 88, 198, 223, 235, 269
Supernovas 70, 106, 119, 198
Supernovas, type Ia 106
Supernovas, type II 106
Surface science 394
Surfaces 53
Survival 124
Suslick, Kenneth S. 266
Sutherland, Ronald Worth 55
Sutton, Jeff 284
Swaddle, John P. 47
Swanson, Jeffrey W. 10
Swimming 5
Symmetry 46, 60
Syphilis 92, 373

T

T cells 39, 135, 278, 292, 348
Taçon, Paul 4
Tanenhaus, Michael K. 373
Tannor, David J. 328
Tans, Pieter P. 390
Tardive dyskinesia 181
Taub, Edward 357
Taylor, Barry N. 63
Taylor, Ken C. 342
Tea 26
Teich, Albert H. 183
Telescopes 326
Temperament 118, 124, 378
Temperature 282, 340
Tereshchenko, Evgeny D. 68
Terman, Lewis 124
Tersoff, Jerry D. 53
Testosterone 294, 301
Textiles 276
Thackeray, J. Francis 215
Thomas, Kathie L. 180
Thomson, David J. 214
Thornber, Carl 216
Thornhill, Randy 46, 60
Thunderstorms 365
Tipton, Paul 149
Tires 244
Tissue engineering 228
Tobacco 303
Tobach, Ethel 189
Tobin, Allan J. 247
Tomar, Scott L. 303
Tompkins, Lucy S. 164
Tongues 166
Tonry, John L. 393
Tooby, John 221
Toth, Agota 85
Toxic substances 282
Toxins 254
Tracy, Steven 276
Trafton, Laurence M. 204
Transcription factors 200
Transgenic animals 84
Transgenic plants 72
Transplantation antigens 247
Transplantation therapy 6
Treiman, Allan H. 180
Trenberth, Kevin 155
Treseder, Kathleen K. 381
Trichlorophenols 327
Trichopoulos, Dimitrios 7, 39
Tricoli, David M. 72
Trihalomethanes 5
Trowsdale, John 213
Tsang, Shiu Heman 166
Tsunamis 217, 223
Tubbesing, Susan K. 54
Tuberculosis 86, 171, 346
Tucker-Kellogg, Lisa 187
Tumors 262
Turbulence 169
Turmeric 72
Tuross, Noreen 377
Turtles 263

U

Ulcers 164, 310, 367
Ultrasound 15
Ultraviolet astronomy 133, 213
Ultraviolet Imaging Telescope ..213
Ultraviolet radiation 303
Universe 372
Ünlü, M. Yasar 26
Unruh, William G. 31
Upper Paleolithic cultural evolution 260, 276
Uracil 279
Urea 310
Urinary tract infections 37, 310
U.S. Geological Survey 86, 183

V

Vaccines 11, 164, 262
Vaccines, DNA 343
Vaccines, DPT 262
Vaccines, hepatitis 262
Vaccines, influenza 343
Vaccines, pertussis 214
Vacelet, Jean 69
Vaidman, Lev 388
Vaillant, George E. 229
Valtonen, Mauri 392
van Adelsberg, Janet S. 330
Van Doorn, Eric 372
van Horne, Craig 262
Van Lear, David 91
Vangioni-Flam, Elisabeth 70
Vargha-Khadem, Faraneh 70
Vastokas, Joan 4
Vaughan, David 271
Vegetables 39, 72, 248
Vekua, A. 85
Venanzi, Carol A. 122
Venter, J. Craig 367
Venus 157, 191, 205
Vertebrates 261
Very Large Array radio telescope 358
Very Long Baseline Array radio telescope 36
Vesta asteroid 206
Videos 319
Viederman, Milton 22
Vietnam veterans 340
Vilenkin, Alexander 102
Viola, Victor E. 228
Violence 9
Violins 359
Viruses 132, 186, 276, 325, 333, 343, 348
Visakorpi, Tapio 229
Vision 100, 116, 295, 297
Vitamin B12 53
Vitamin E 271
Vitamins 248
Vitrification 40
Vocabulary 157
Voelker, Courtney Christine Joan 55
Voest, Emile E. 262
Volatile organic compounds 175
Volcanoes 134, 216, 284, 324
Vollrath, Fritz 38
Voyager missions 148

W

Wactlar, Howard D. 345
Wagener, Kenneth B. 23
Wagner, Janice D. 294
Wahl, Sharon M. 108
Wain-Hobson, Simon 21
Walker, Bruce D. 373
Walker, Rep. Robert S. 20, 87, 159, 183, 245
Walkup, Robert E. 391
Walter, Robert 237
Wang, Herbert F. 56
War 4, 11, 229
Ward, R.H. 333
Warrell, Raymond P., Jr. 248
Washburn, Sean 88
Wasps 298
Waste, hazardous 15, 40, 282
Waste, toxic 282
Waste incineration 282
Waste treatment 138, 282
Water 215, 223
Water, chlorinated 5
Water, drinking 367
Water pollution 138
Waterman, Stacey J. 23
Waters, Joe W. 277
Watkins, Richard 251
Waymouth, Robert M. 23
Weather forecasting 124, 171, 391
Weaver, David K. 299
Weber, Griffin M. 55, 166
Weedman, Daniel W. 24
Weeks, Kent R. 326
Wei, Zheng 372
Weichert, Dieter H. 196
Weights 63
Weilgart, Lindy S. 351
Weinfurter, Harald 325, 388
Weiss, Ellyn R. 102
Weissman, Myrna M. 346
Weissman, Paul R. 167
Welding 271
Wells, Eddie N. 206
Werewolf gene 348
West, David B. 341
Westinghouse Science Talent Search 55, 166, 309
Wetherill, George W. 111
Wetlands 28
Whales 350
Wheeler, Russell L. 143
Whelan, Elizabeth A. 7
Whitcup, Scott M. 116
White, Amy Rosemary 55
White, D. Hywel 85
White, Randall 53
White, Tim D. 317
White dwarf stars 295, 342
White House Science Advisor 20, 87, 183, 245
Whitehead, Hal 351
Whybrow, Peter C. 378
Wiencke, John K. 281
Wilcox, Allen J. 324
Wilensky, Robert 345
Wilford, John Noble 345
Williams, Linda M. 88
Williams, P. Brock 244
Williams, Sheryl L. 181
Willinger, Marian 151
Wilson, James R. 106
Wilson, Kent R. 328
Windhorst, Rogier A. 358
Winkler, David R. 103
Witten, Matthew 201
Wolfe, Daniel Brandon 55
Wolfe, Jessica 11
Wolfe, John H. 182
Wolff, John A. 324
Wollman, Joel David 55
Wolpoff, Milford H. 215, 317
Wolynes, Peter G. 164
Women 11, 74, 108, 119, 165, 213, 231, 260, 271, 281, 294, 310, 315, 319, 324, 333, 346, 356, 375, 381, 383
Wong, Ivan G. 196
Wood, Bernard 85
Woodruff-Pak, Diana 212
Woskov, Paul P. 282
Wright, Seth W. 214
Wright, Theresa L. 92
Writing 222
Wu, Samuel S. 311
Wurtman, Richard J. 300

X

X-ray crystallography 150, 200, 310, 325
X-ray tomography 68

Y

Yeang, Hoong Yeet 143
Yeh, Deborah Chuan 55, 166
Yellen, John E. 260
Yen, Samuel C.J. 391
Yesavage, Jerome 74
Yewdell, Jonathan W. 292
Yi, Insu 230
Yin, Jerry C.P. 253
Youngquist, Wayne 13
Yttrium-barium-copper oxide 269
Yu, Elaine Wei-Yin 55
Yu, Ellen 365

Z

Zahnle, Kevin 309
Zare, Richard N. 77, 328
Zasloff, Michael A. 166
Zeilinger, Anton 388
Zellner, Ben H. 206
Zhang, Yu-Shen 134
Zheng, Jia-Qing 392
Zhi, Lu 185
Zidovudine 100
Zingg, Hans H. 260
Zinsmeister, William 246
Zoghbi, Huda Y. 360
Zoller, Peter 325
Zonana, Howard 8
Zooplankton 151
Zoos 184
Zuckerman, Ben M. 111
Zvelebil, Marek 121